

Figure 1: Metered Injection Pumping System for adding resid fuels

# PISTON CYCLE

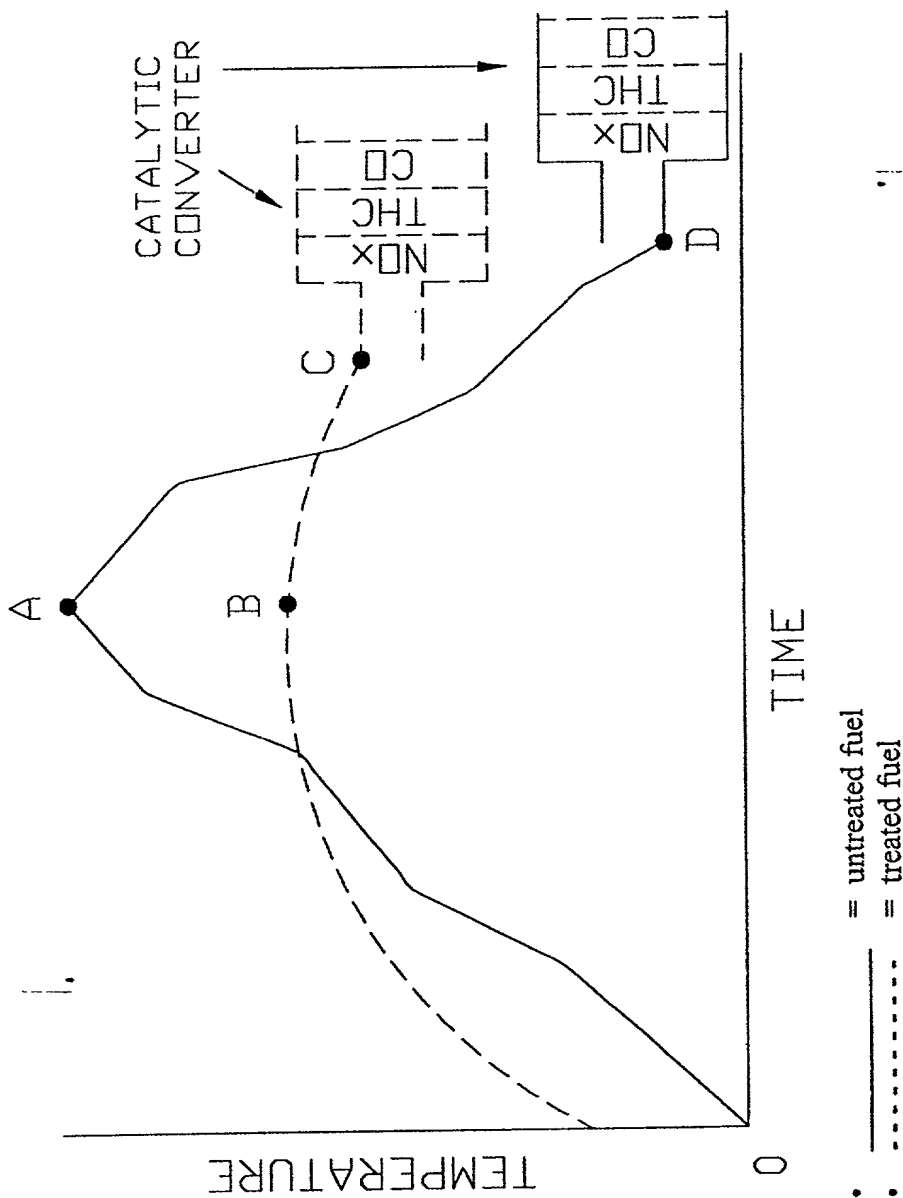


Figure 2: Hypothetical temperature versus time curve for the piston cycle of a gasoline-powered engine operating on untreated fuel and fuel treated with the OR-1 additive

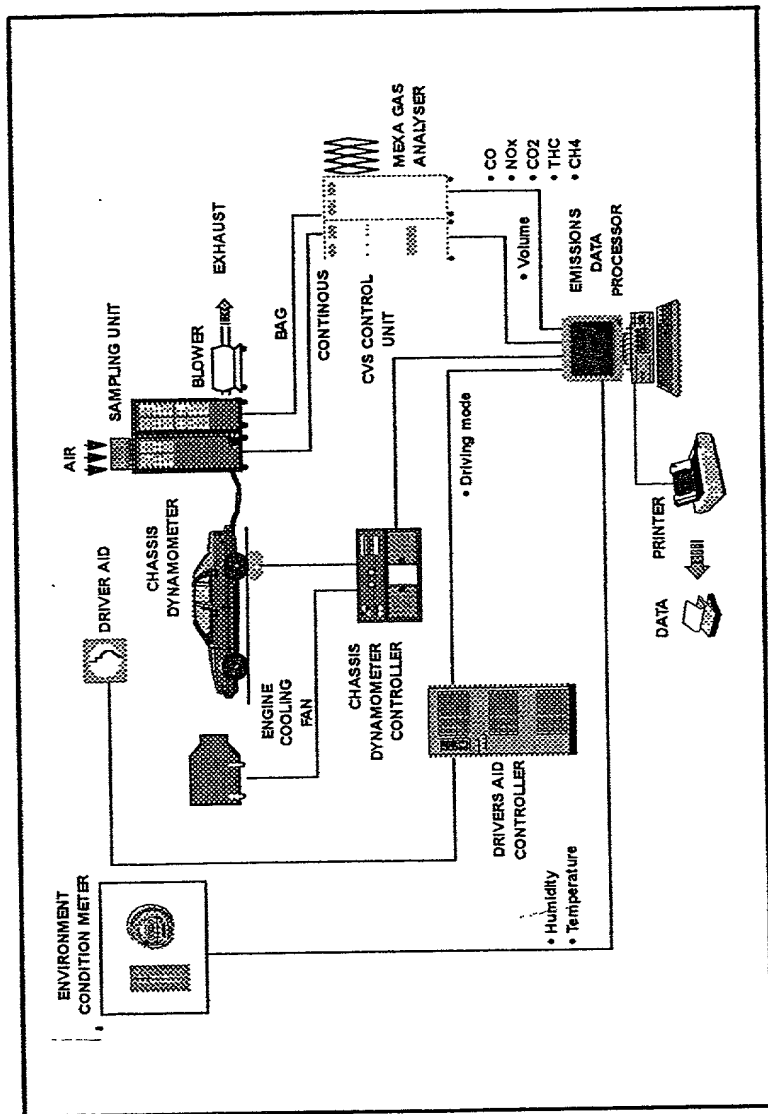


Figure 3: Schematic illustrating the layout of the Vehicle Emissions Testing Laboratory located in Section 27, Selangor Darul Ehsan, Shah Alam, Malaysia

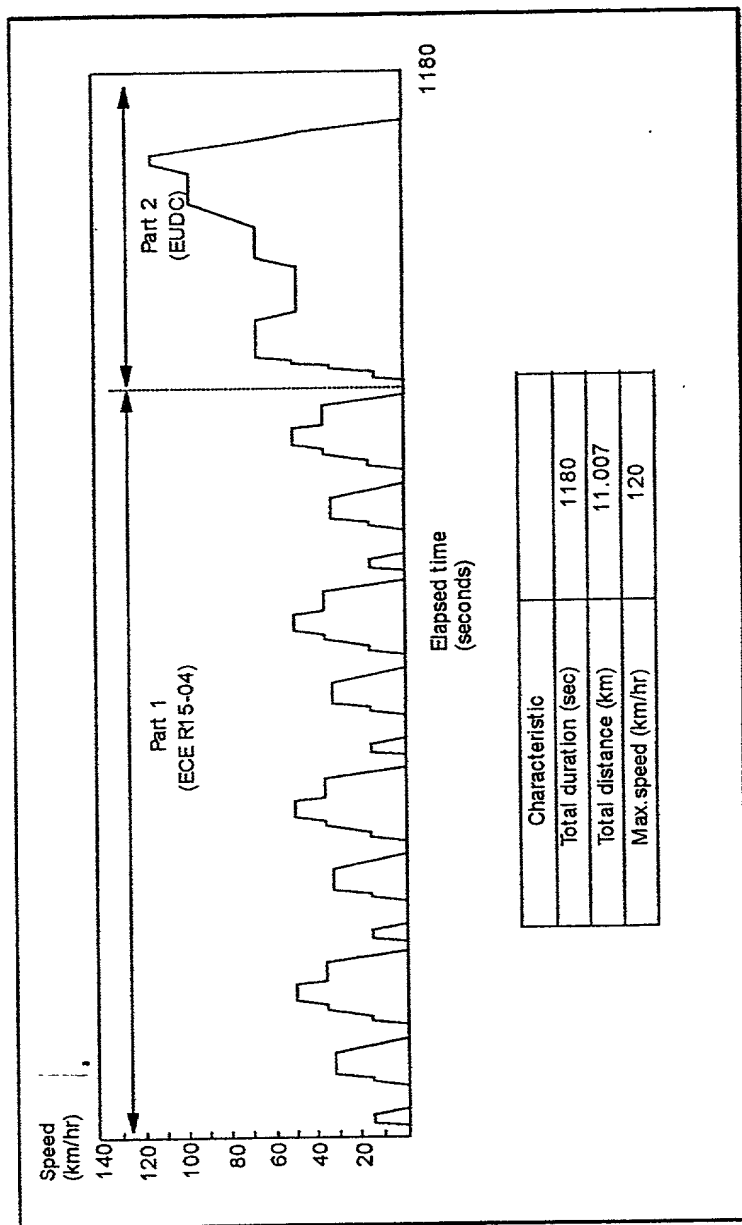


Figure 4: Diagram illustrating the European Emissions Standard ECE R15-04 plus EUDC Emissions Test Cycle

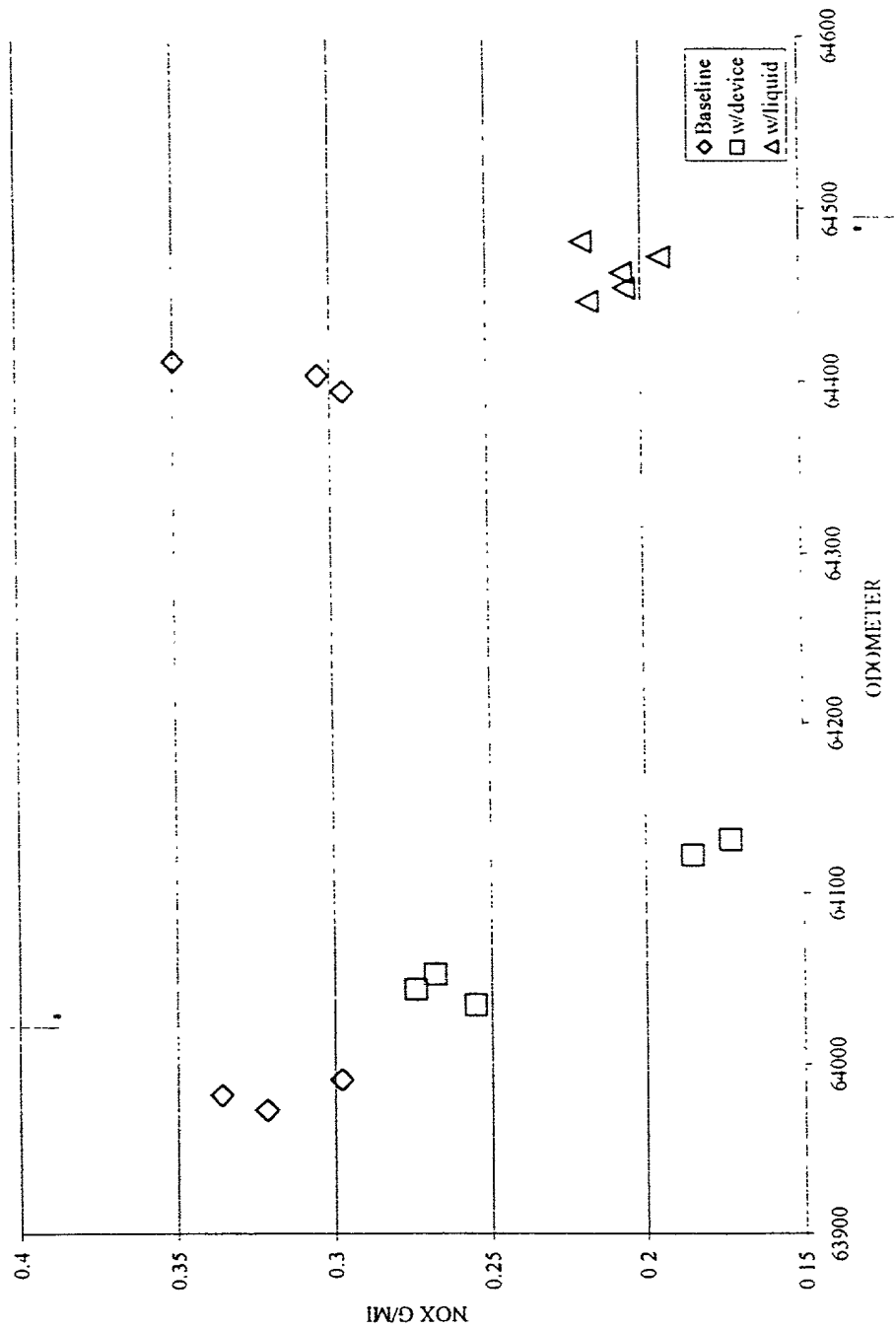


Figure 5: NO<sub>x</sub> emissions as a function of odometer miles for a Ford Taurus

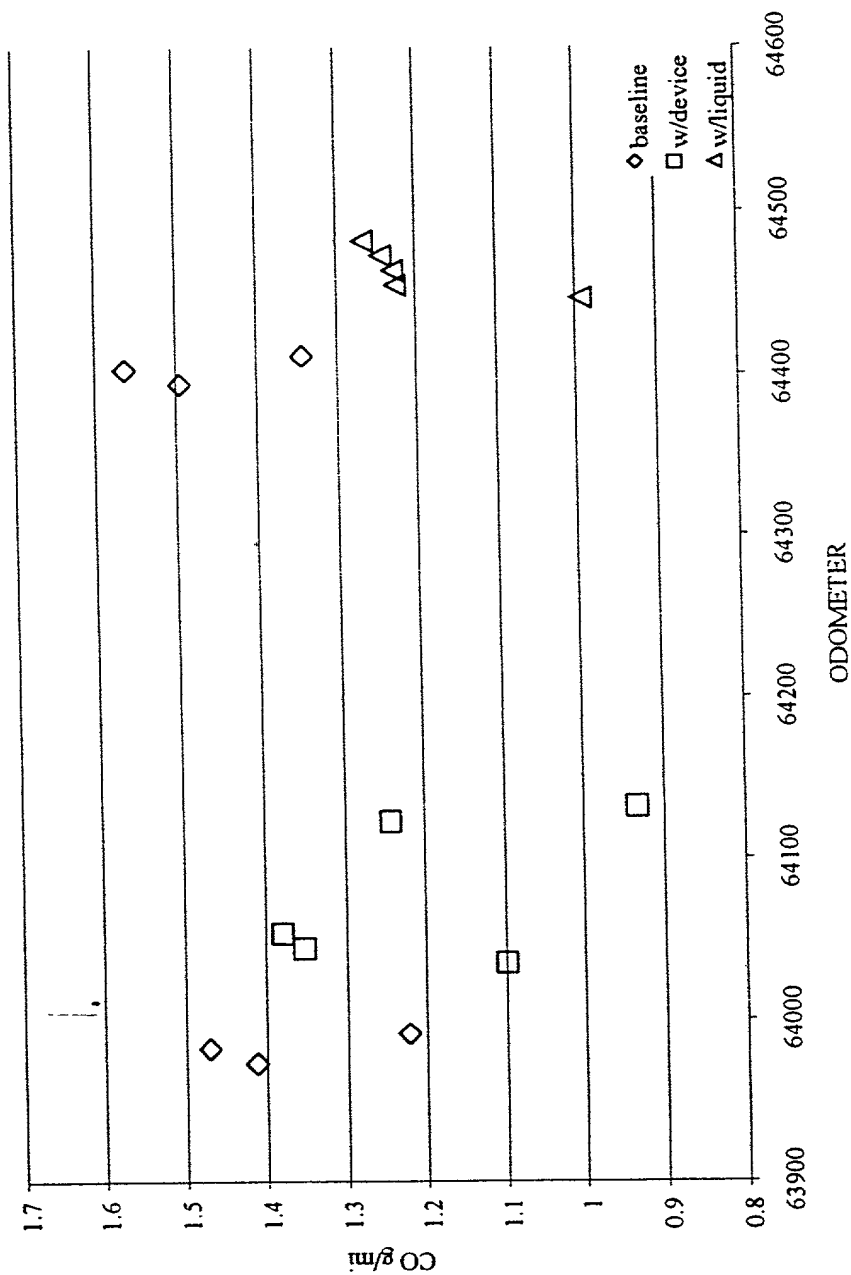


Figure 6: CO emissions as a function of odometer miles for a Ford Taurus

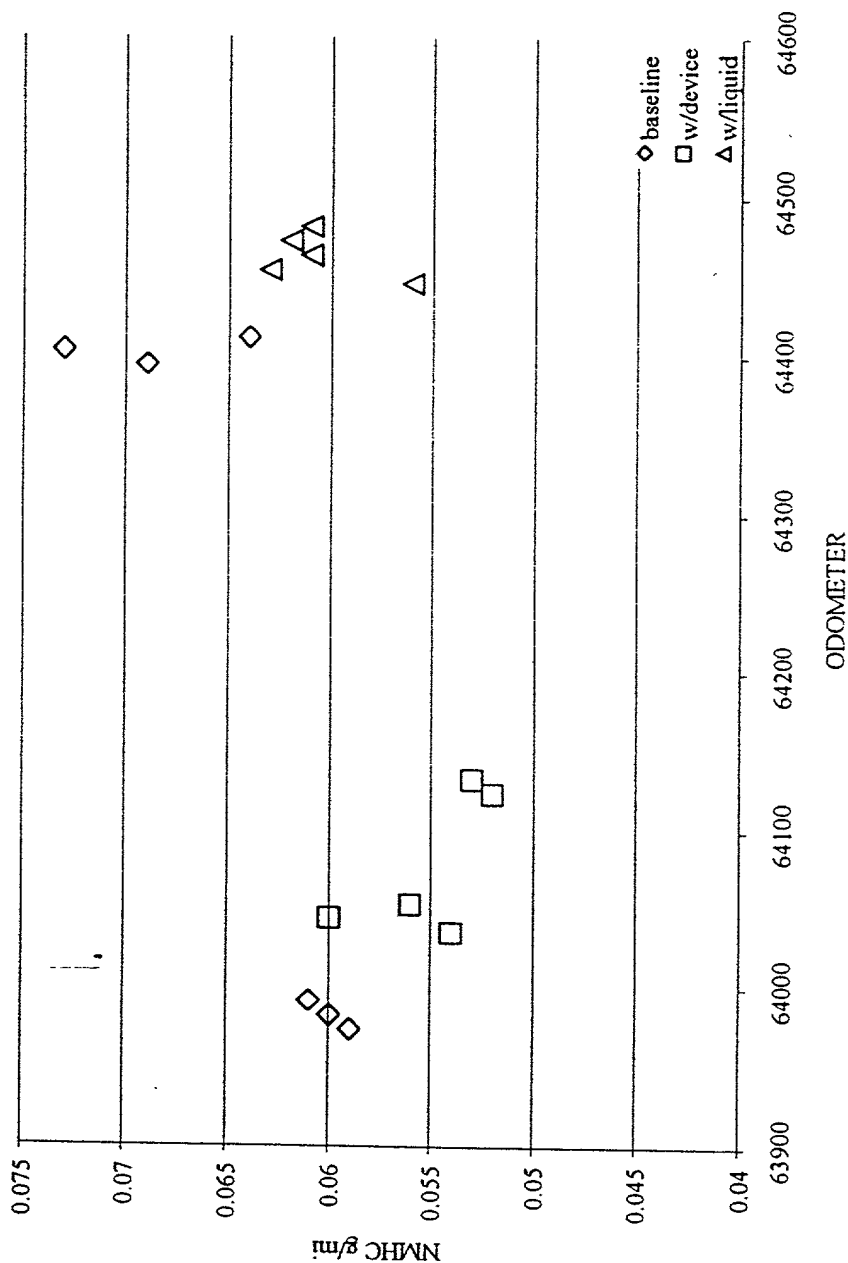


Figure 7: NMHC emissions as a function of odometer miles for a Ford Taurus

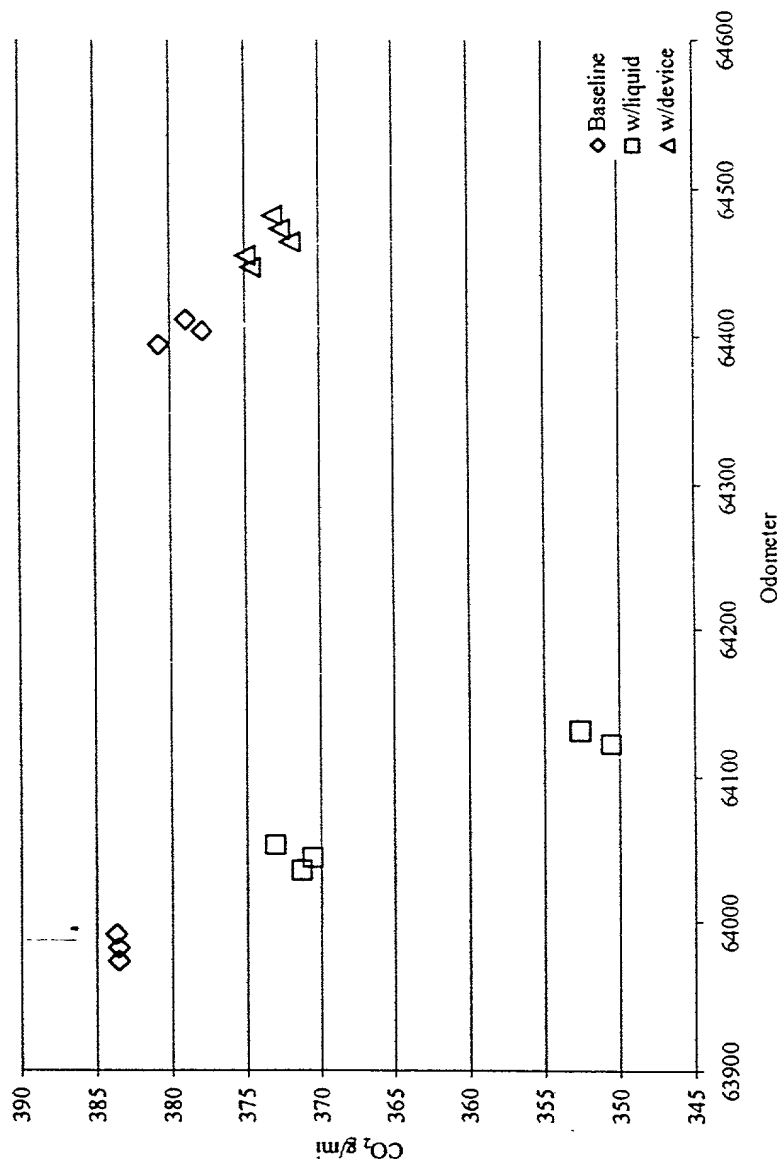


Figure 8: CO<sub>2</sub> emissions as a function of odometer miles for a Ford Taurus



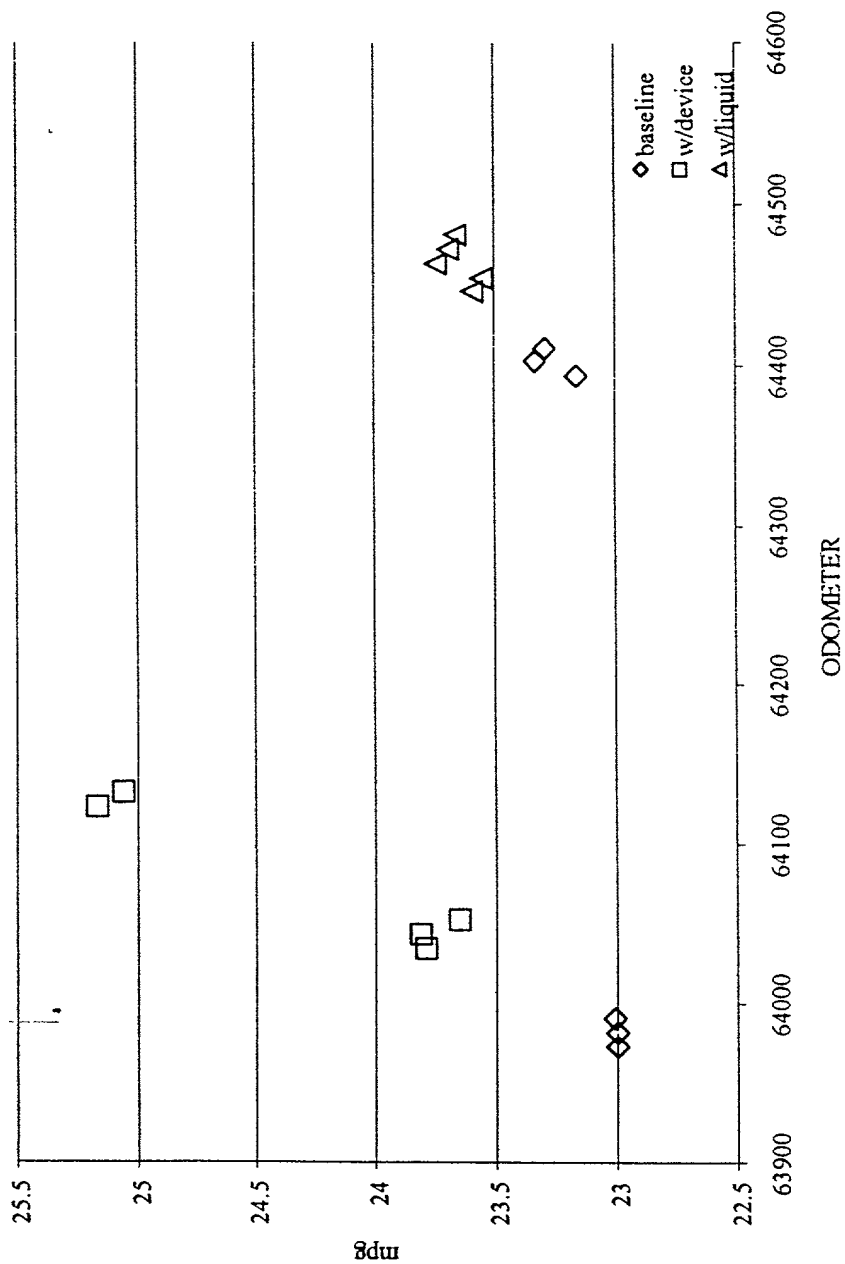


Figure 9: MPG fuel economy as a function of odometer miles for a Ford Taurus

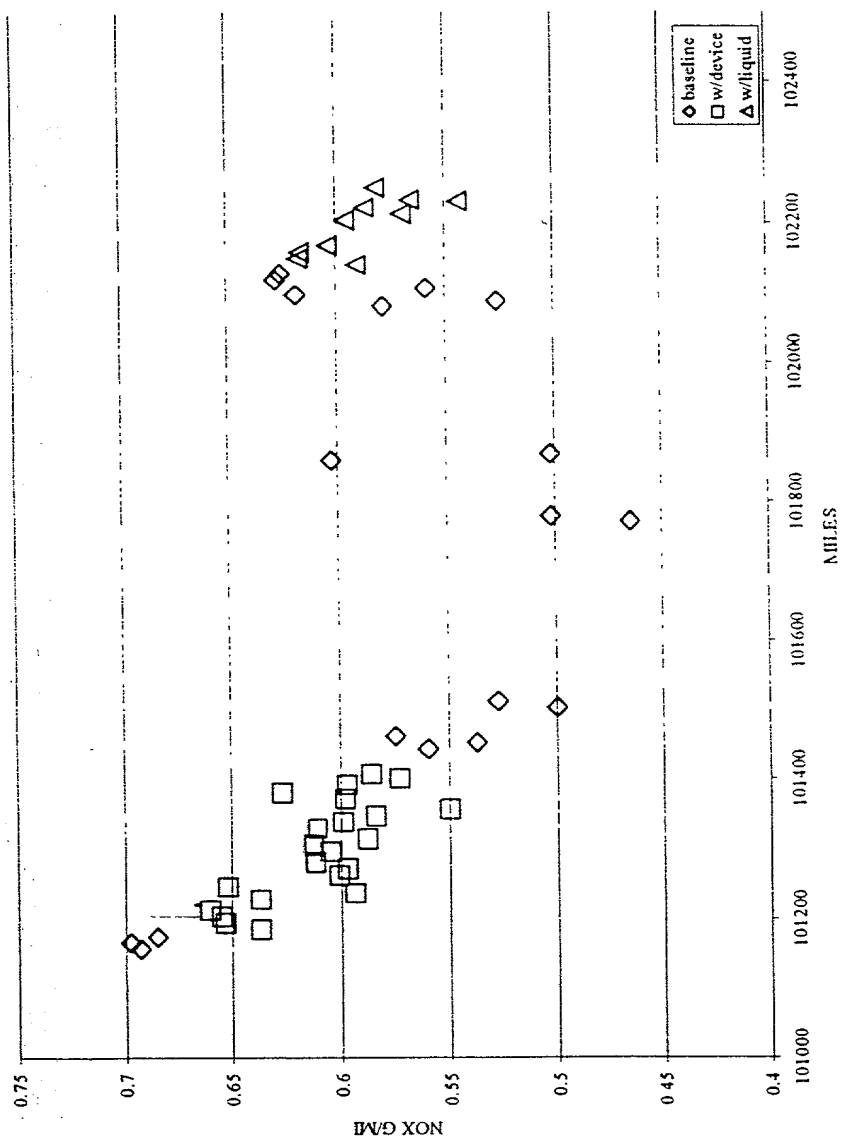


Figure 10: NO<sub>x</sub> emissions as a function of odometer miles for a Honda Accord

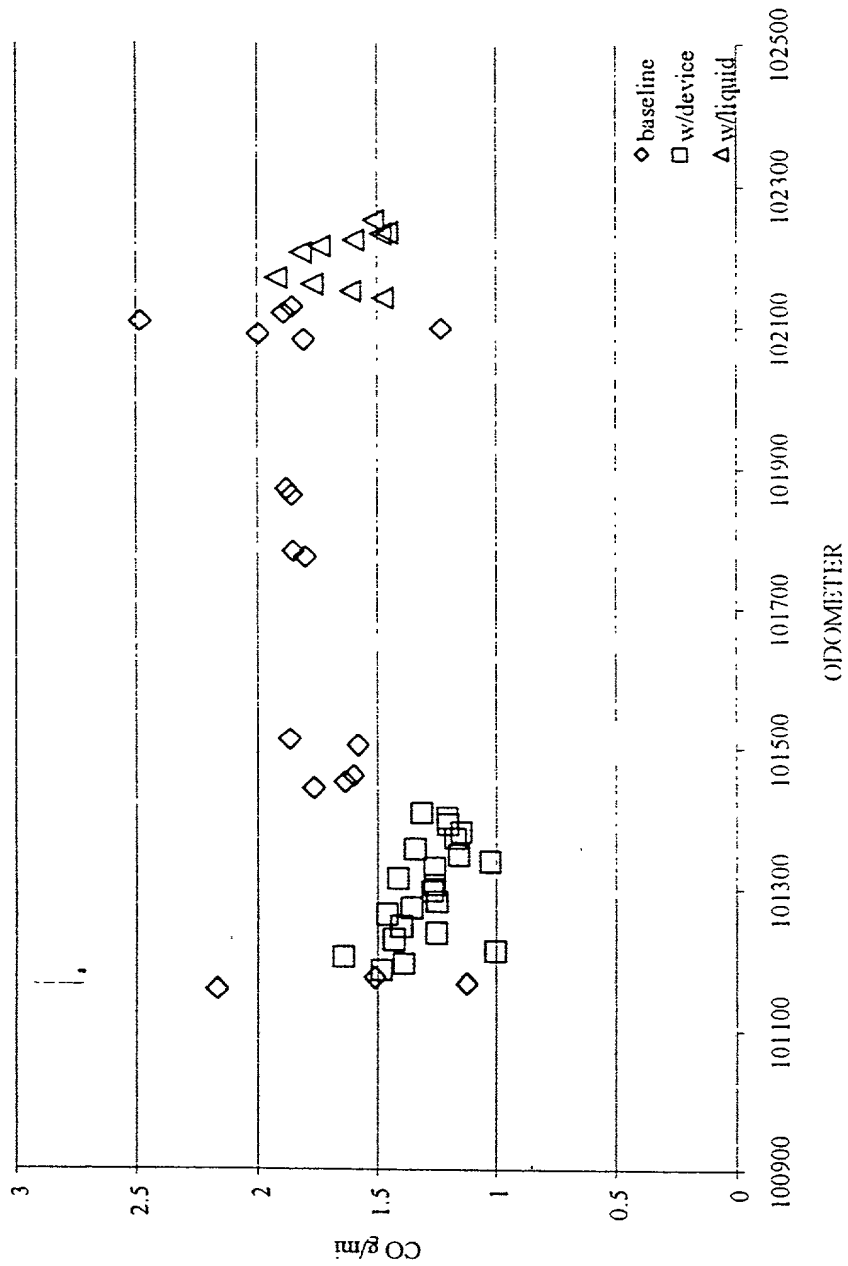


Figure 11: CO emissions as a function of odometer miles for a Honda Accord

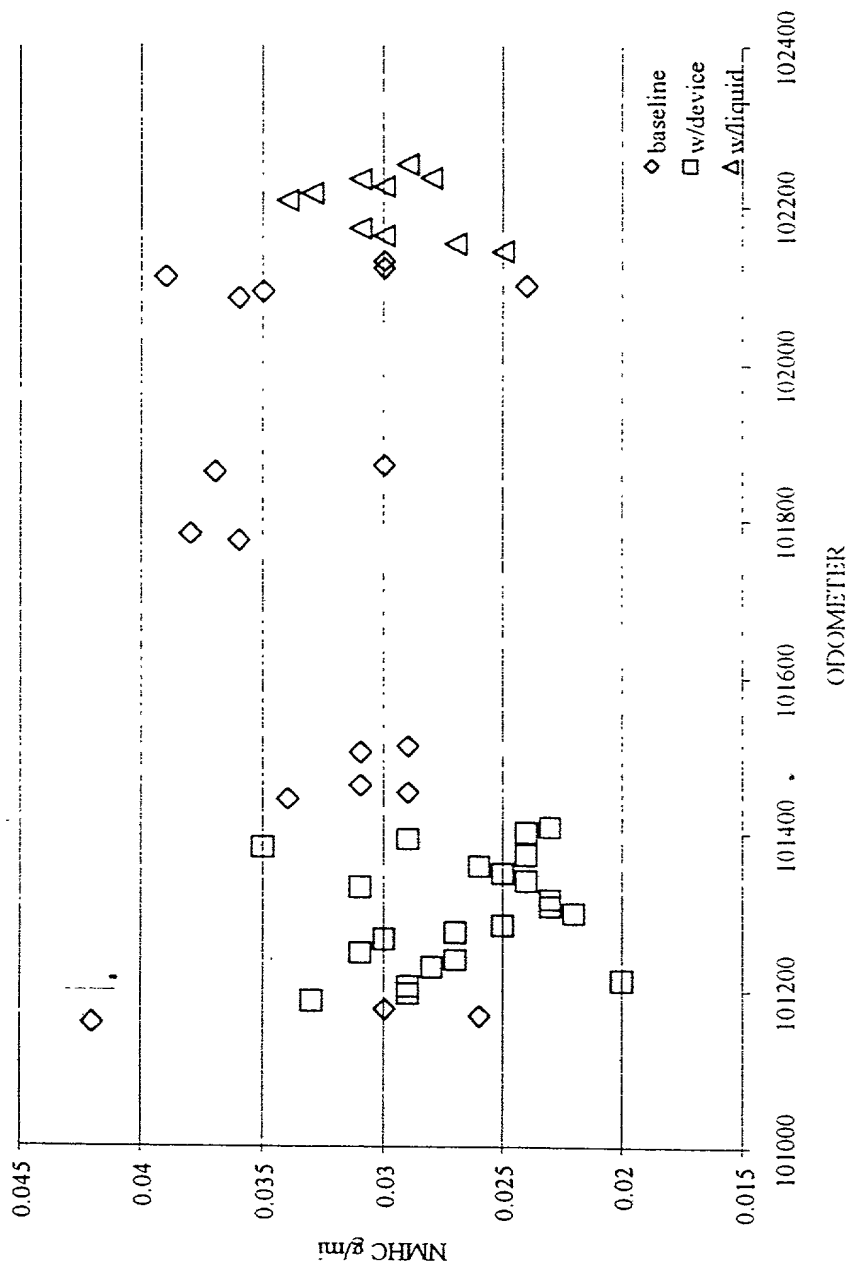


Figure 12: NMHC emissions as a function of odometer miles for a Honda Accord

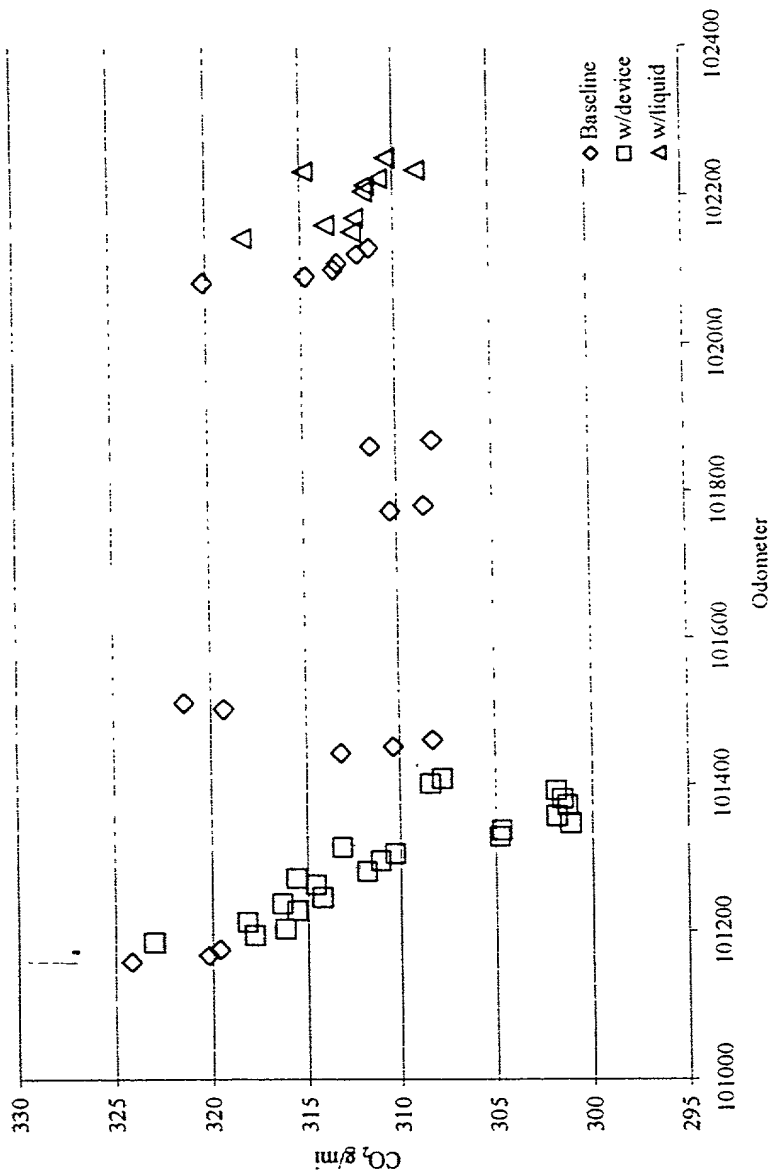


Figure 13: CO<sub>2</sub> emissions as a function of odometer miles for a Honda Accord

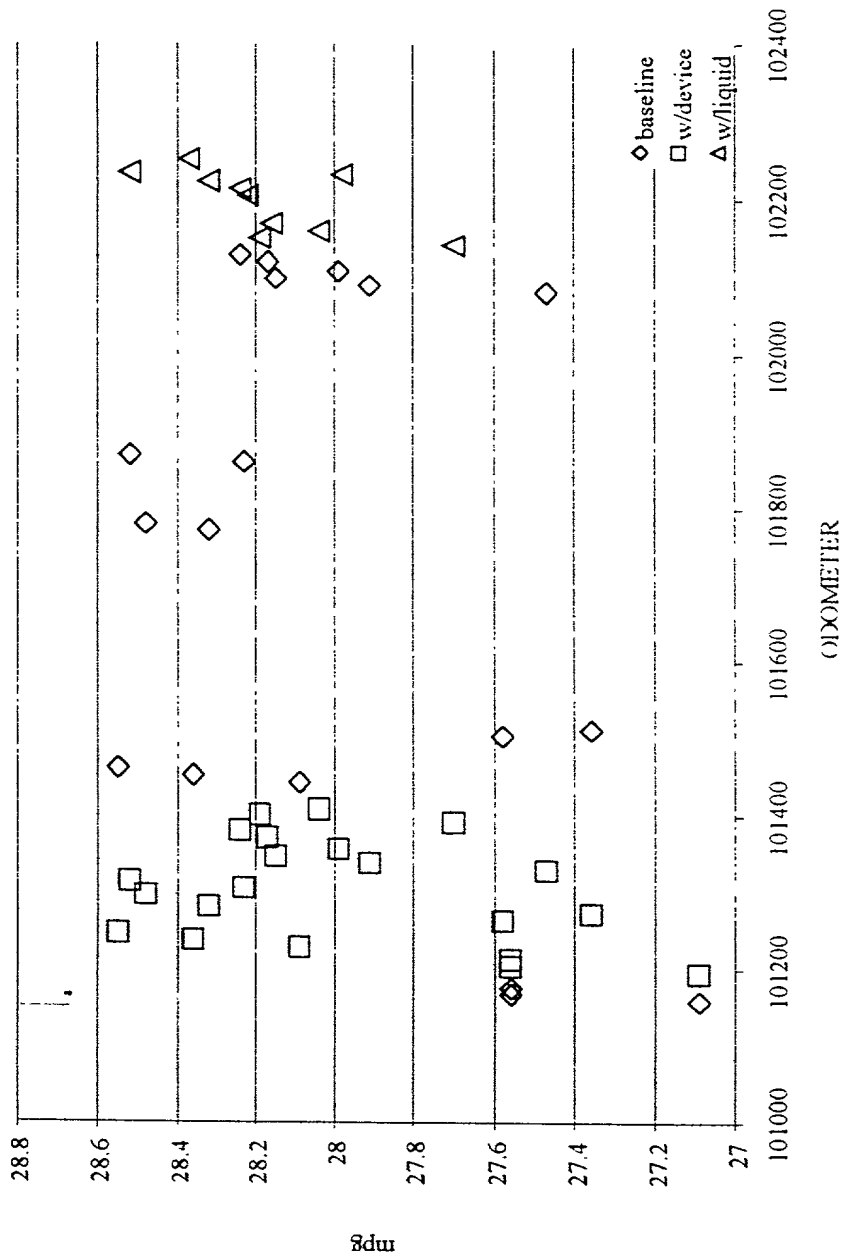


Figure 14: MPG fuel economy as a function of odometer miles for a Honda Accord

Shewhart Control Chart for NO<sub>x</sub> in the Honda Accord with the first three baselines excluded

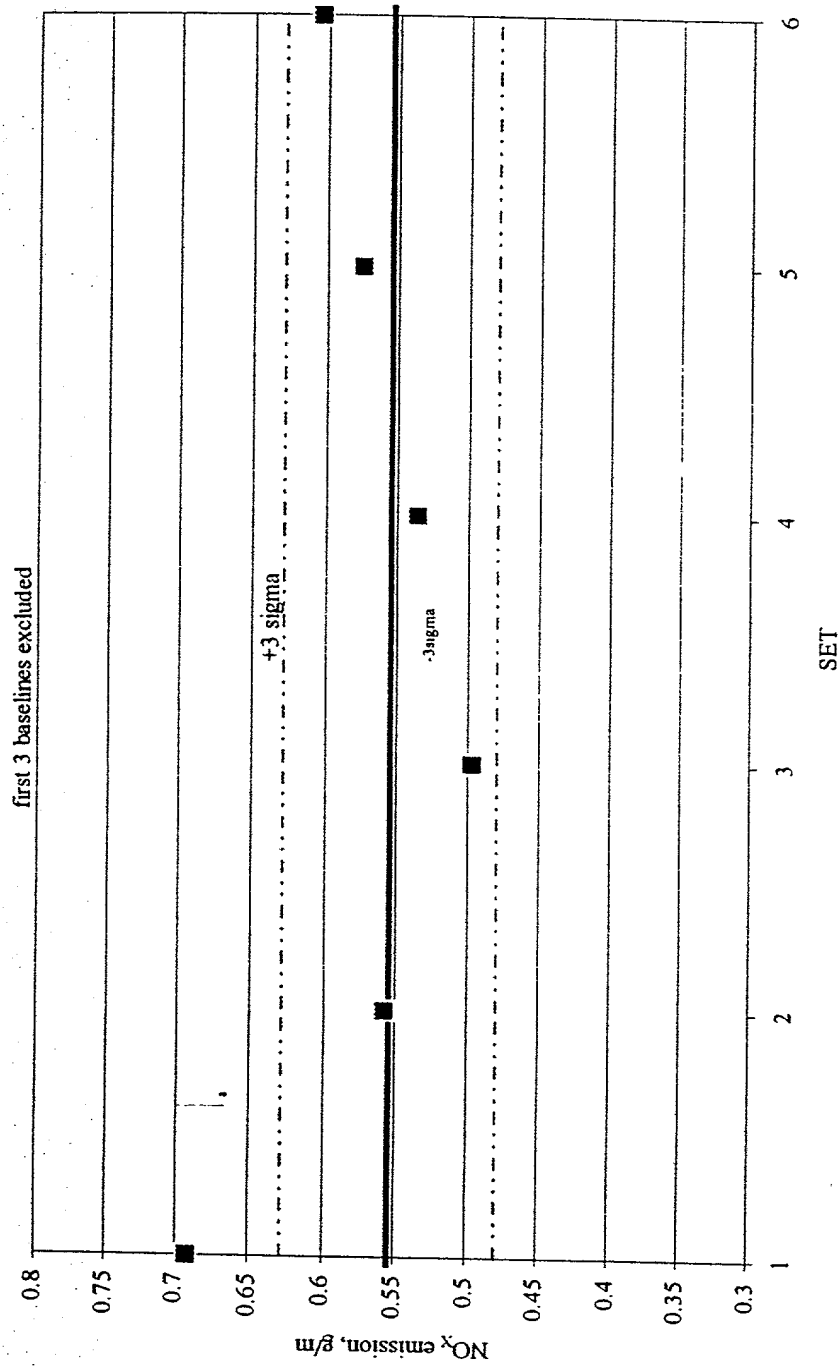


Figure 15: Shewhart Control Plot for NO<sub>x</sub> in the Honda Accord with the first three baselines excluded

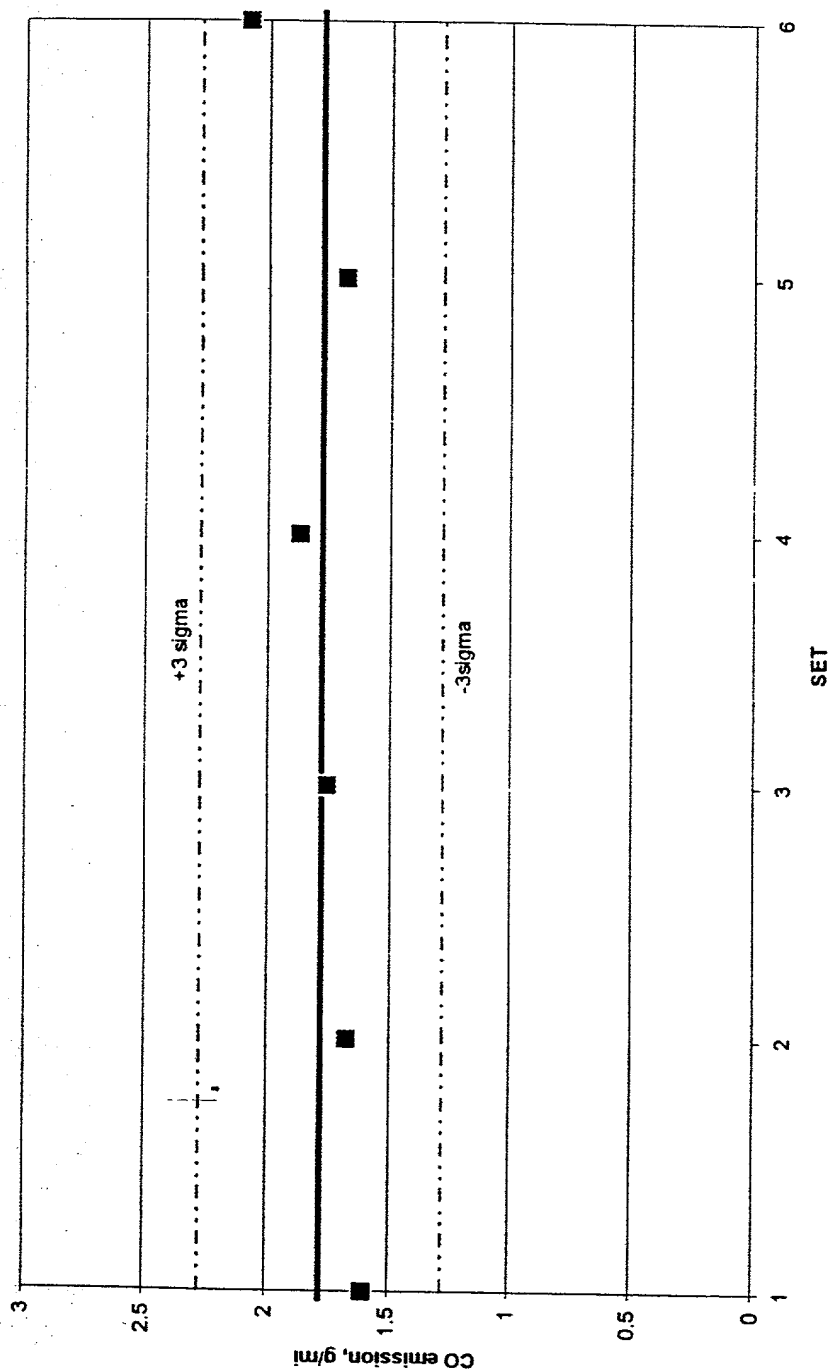


Figure 16: Shewhart Control Plot for CO in the Honda Accord with the first three baselines excluded



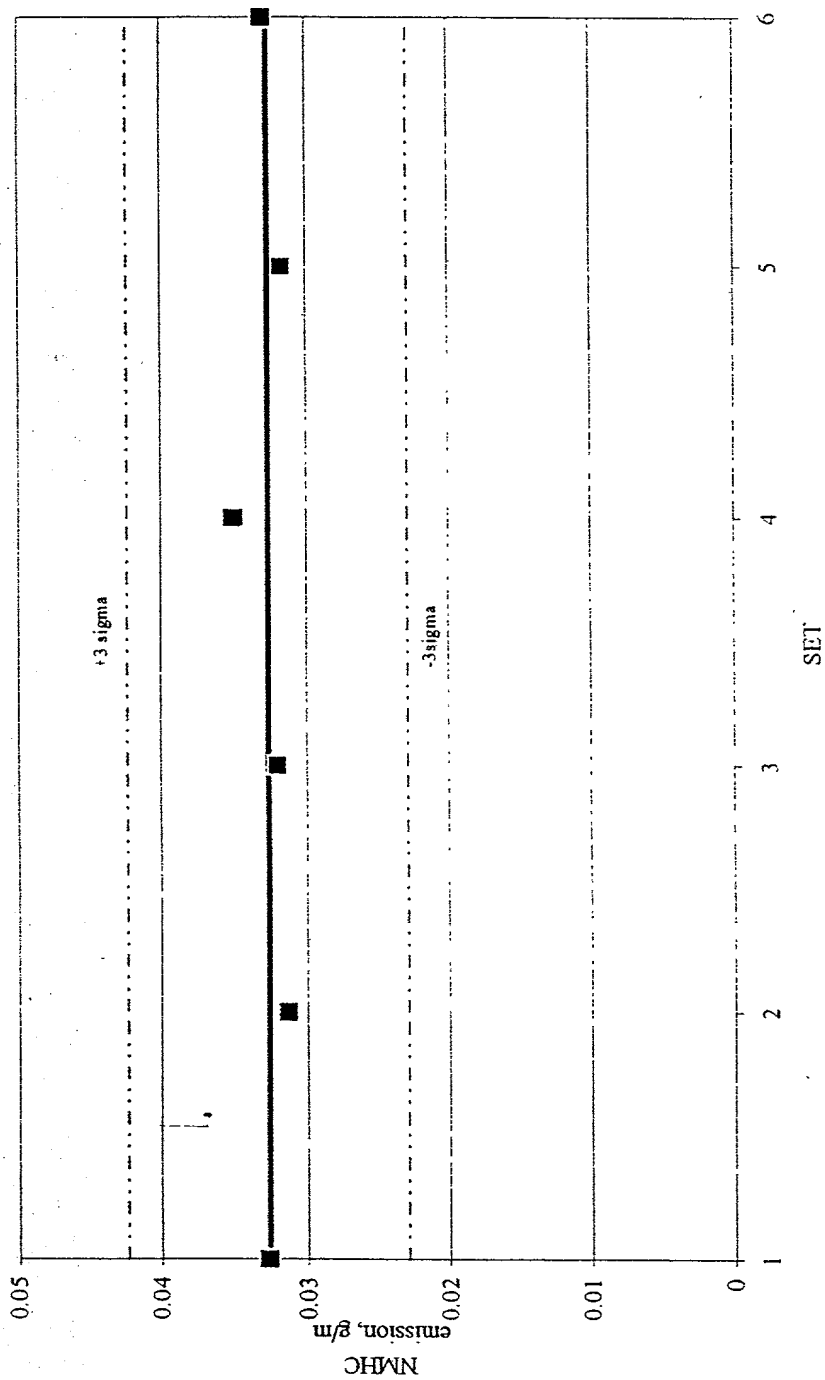


Figure 17: Shewhart Control Plot for NMHC in the Honda Accord with the first three baselines excluded.

100%  
 90%  
 80%  
 70%  
 60%  
 50%  
 40%  
 30%  
 20%  
 10%  
 0%

# HOHDA

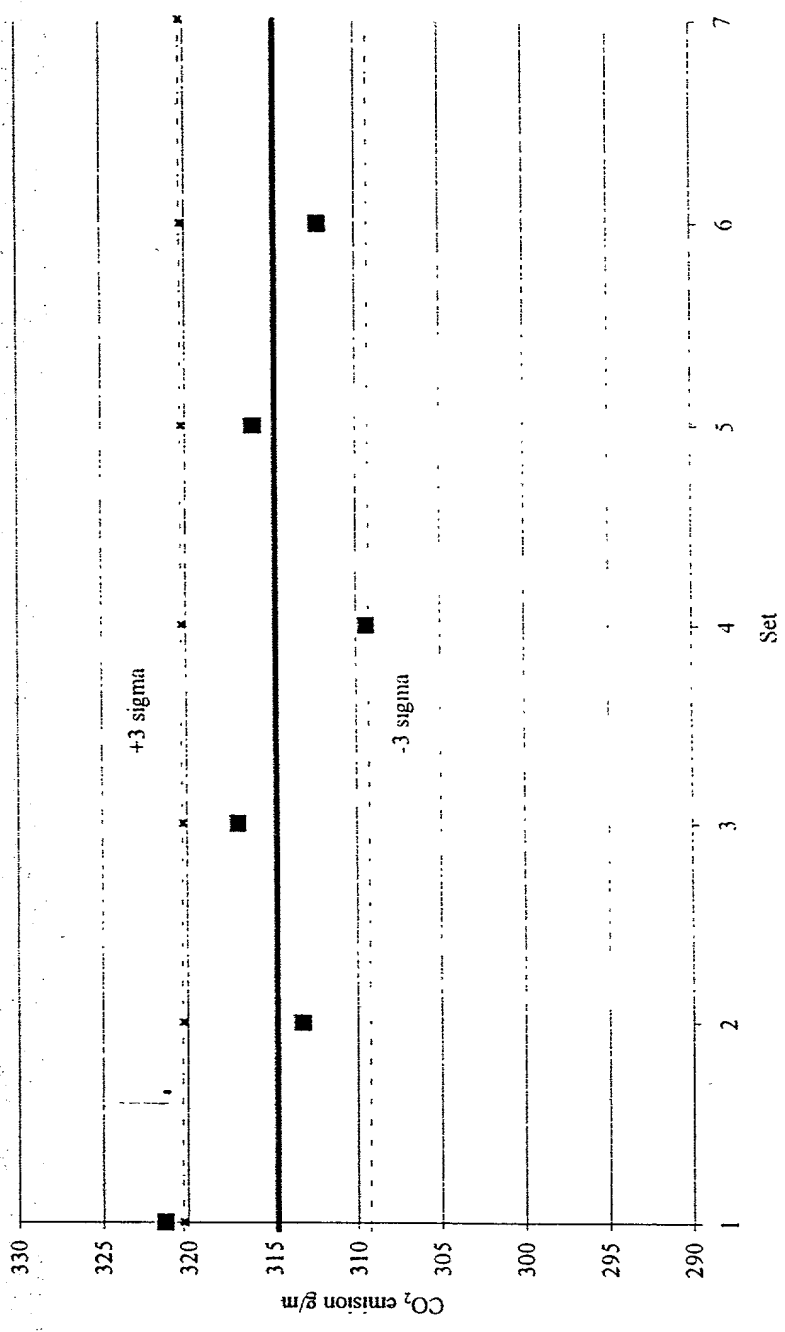


Figure 18: Shewhart Control Plot for CO<sub>2</sub> in the Honda Accord with the first three baselines excluded

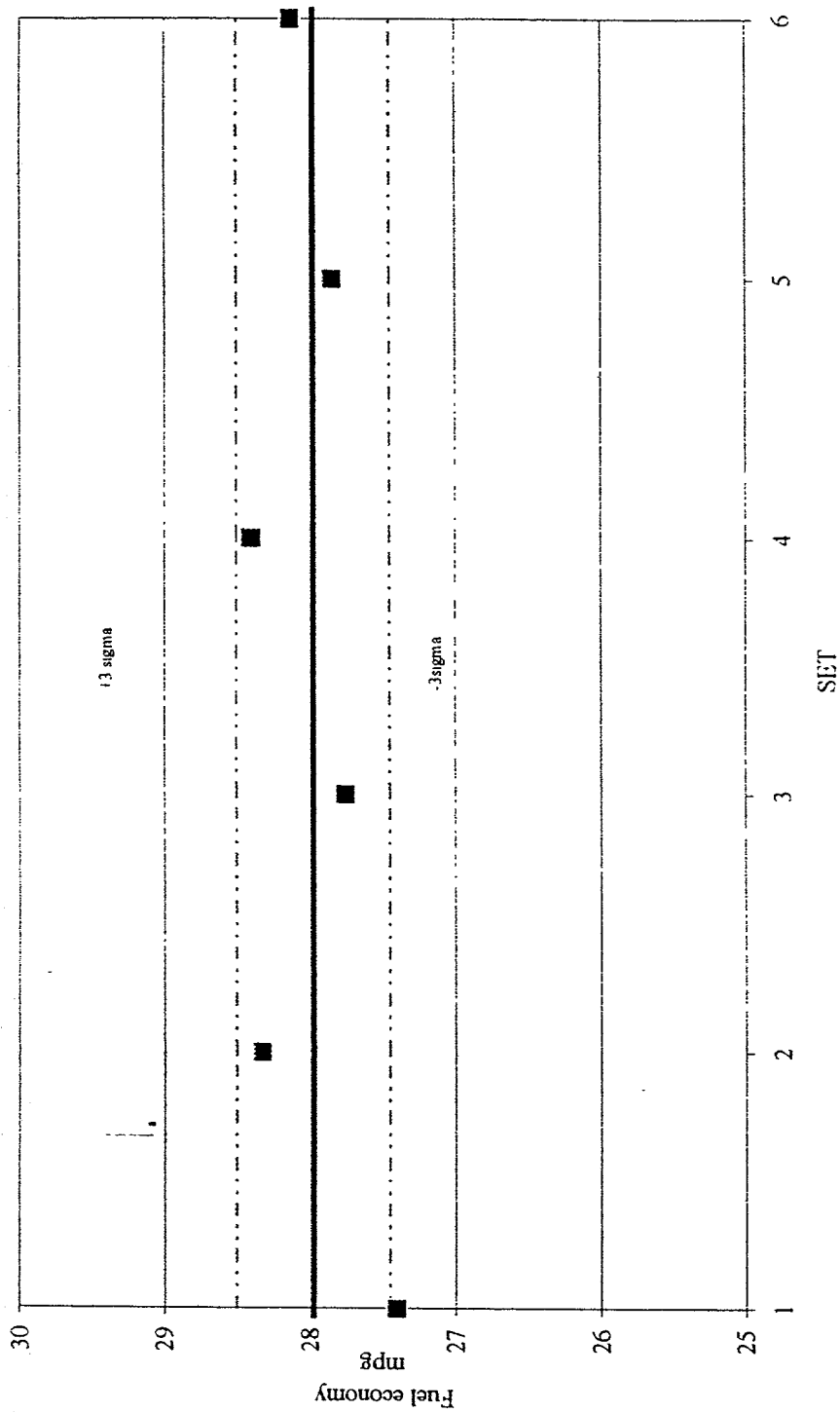


Figure 19 : Shewhart Control Plot for mpg fuel economy in the Honda Accord with the first three baselines excluded

